



Part of #4

PTO/SB/08A (10-01)

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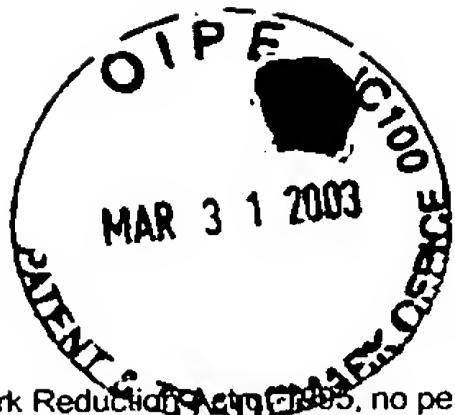
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Substitute for form 1449A/PTO				Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application Number	10/047,220
(use as many sheets as necessary)				Filing Date	January 14, 2002
Sheet	1	of	3	Inventor	J. Randolph Lewis
				Art Unit	3652
				Examiner Name	Not Yet Assigned
				Attorney Docket Number	29488/38131

U. S. PATENT DOCUMENTS				
Examiner Initials	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number-Kind Code <sup>2</sup> (if known)		
		2,570,918	10-09-1951	Chodziesner
		3,247,929	04-26-1966	Langley
		3,379,321	04-23-1968	Weir
		3,561,619	02-09-1971	Weir
		3,616,944	11-02-1971	Field
		3,624,792	11-30-1971	Lipfert
		4,129,229	12-12-1978	Brown
		4,379,669	04-12-1983	Wilson
		4,426,189	01-17-1984	Weber et al.
		4,501,528	02-26-1985	Knapp
		4,542,808	09-24-1985	Lloyd, Jr. et al.
		4,792,273	12-20-1988	Specht
		4,870,799	10-03-1989	Bergeroux et al.
		4,874,281	10-17-1989	Bergeroux et al.
		4,921,087	05-01-1990	Nakamura
		5,230,206	07-27-1993	Christ
		5,238,145	08-24-1993	Pippin
		5,271,703	12-21-1993	Lindqvist et al.
		5,322,406	06-21-1994	Pippin et al.
		5,352,081	10-04-1994	Tanaka
		5,363,310	11-08-1994	Haj-Ali-Ahmadi et al.
		5,395,206	03-07-1995	Cerny, Jr.

Examiner Signature	<i>[Signature]</i>	Date Considered	1-26-04
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

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				Inventor	
				J. Randolph Lewis	
				Art Unit	
				3652	
				Examiner Name	
				Not Yet Assigned	
Sheet	2	of	3	Attorney Docket Number	29488/38131

**U.S. PATENT DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number-Kind Code <sup>2</sup> (if known)		
JR		5,454,688	10-03-1995	Pippin
		5,509,538	04-23-1996	Spindler et al.
		5,586,685	12-24-1996	Dorner et al.
		5,620,102	04-15-1997	Finch, Jr.
X		5,720,157	02-24-1998	Ross
X		5,943,841	08-31-1999	Wunscher

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**Complete if Known**

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				Inventor	J. Randolph Lewis
				Art Unit	3652
				Examiner Name	Not Yet Assigned
Sheet	3	of	3	Attorney Docket Number	29488/38131

**FOREIGN PATENT DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	English Language Abstract
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)			
		EP 0 453 682 A1	10-30-1991	Tanaka	N/A
		EP 0 550 764 A1	07-14-1993	Tanaka et al.	N/A
		EP 0 592 729 A1	04-20-1994	Pippin	NO
		EP 0 494 014 A1	07-08-1992	Ledoux et al.	NO
		EP 0 515 350 A1	11-25-1992	Kliment	NO
		EP 0 282 785 A1	09-21-1988	Bergeriqux et al.	NO
		DE 39 29 656 A1	03-07-1991	Kinzebach et al.	NO
		DE 36 29 293 A1	03-10-1988	Hemmerich et al.	NO
		DE 42 25 041 A1	02-03-1994	Ruff et al.	NO

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See attached Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	<i>[Signature]</i>	Date Considered	126-04
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